



The Hanover Insurance Group, Inc.

Second Quarter 2020 Results
July 29, 2020

*To be read in conjunction with the press release dated
July 28, 2020 and conference call scheduled for July 29, 2020*



Second Quarter 2020 Operating Highlights

**Net Income and Operating Income⁽¹⁾ of \$3.01 and \$1.63 per Diluted Share, Respectively;
Combined Ratio of 96.2%; Combined Ratio, Excluding Catastrophes⁽²⁾, of 82.7%;
Book Value Per Share Increased 12.6% to \$81.10**

- Current accident year loss and loss adjustment expense (“LAE”) ratio, excluding catastrophes⁽³⁾, of 51.8%, which included favorable loss frequency in short-tail coverages, primarily Personal Auto, while prudently reserving for uncertainty in longer-tail lines
- Limited COVID-19-related loss activity experienced to date; increased COVID-19 loss reserves by \$6 million to now include Workers’ Compensation, bringing the total ultimate loss expectation to \$19 million
- Catastrophe losses of \$147.8 million, or 13.5 points, including favorable development on prior-year catastrophes of \$7.0 million
- Net premiums written decrease of 5.0%*, primarily due to the impact of the Personal Auto premium return, lower new business, and exposure reductions within Commercial Lines
- Core Commercial Lines rate increases⁽⁴⁾ of 5.1% and 4.8% in Personal Lines⁽⁵⁾
- Net investment income decreased to \$57.7 million primarily due to the decrease in the fair value of limited partnerships, which are reported on a quarter lag
- Book value per share of \$81.10, up 12.6% from March 31, 2020, driven primarily by increases in the fair value of fixed income securities and net income
- Company updated full-year 2020 outlook, including an improved combined ratio, excluding catastrophes, between 89.5% and 90.5%, compared to the prior outlook of 91% to 92%

(1) See information about this and other non-GAAP measures and definitions used throughout this presentation on the final pages of this document. The Hanover Insurance Group, Inc. may also be referred to as “The Hanover” or “the company” interchangeably throughout this presentation.

* Unless otherwise stated, net premiums written growth and other growth comparisons are to the same period of the prior year.



Consolidated Financial Results Snapshot

(\$ in millions, except per share amounts)	Three months ended		Six months ended	
	June 30, 2019	June 30, 2020	June 30, 2019	June 30, 2020
Net income	\$74.0	\$115.2	\$196.4	\$75.2
<i>Per diluted share</i>	\$1.79	\$3.01	\$4.77	\$1.95
Operating income before interest and taxes	\$107.0	\$88.9	\$216.8	\$206.0
Operating income after taxes	\$77.7	\$62.7	\$158.4	\$149.5
<i>Per diluted share</i>	\$1.88	\$1.63	\$3.84	\$3.87
Book value per share	\$74.39	\$81.10	\$74.39	\$81.10
Shareholders' equity	\$2,941.1	\$3,071.7	\$2,941.1	\$3,071.7
Debt	\$653.1	\$652.8	\$653.1	\$652.8
Total capital	\$3,594.2	\$3,724.5	\$3,594.2	\$3,724.5
Debt/Total Capital	18.2 %	17.5 %	18.2 %	17.5 %
Total assets	\$12,159.9	\$12,838.6	\$12,159.9	\$12,838.6
Net income return on average equity ⁽⁶⁾	10.1 %	15.9 %	13.4 %	5.2 %
Operating return on average equity ⁽⁶⁾	11.1 %	9.5 %	11.4 %	11.2 %
Adjusted operating return on average equity ⁽⁶⁾	12.2 %	N/A	12.6 %	N/A



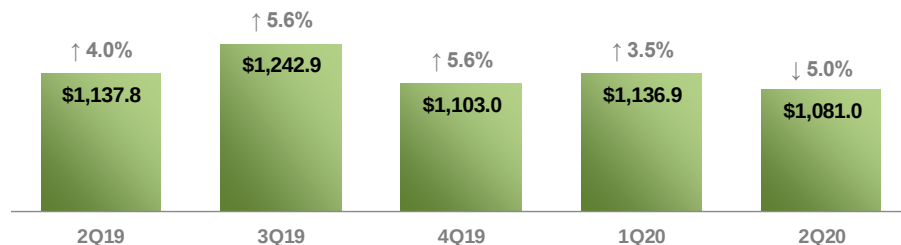
Strong Second Quarter Operating Results

(\$ in millions)

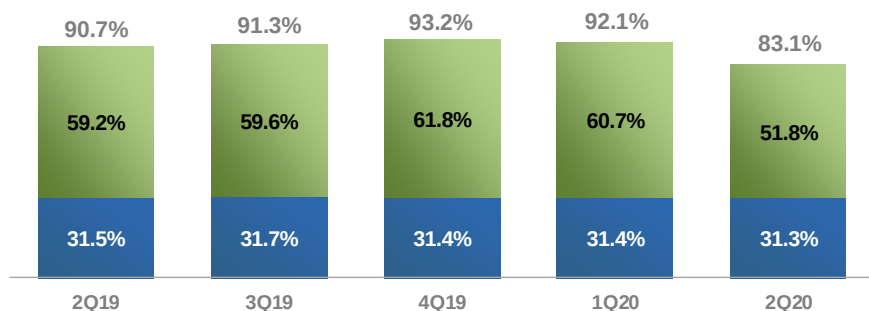
	Three months ended June 30		Six months ended June 30	
	2019	2020	2019	2020
Net premiums written	\$1,137.8	\$1,081.0	\$2,235.8	\$2,217.9
Growth	4.0%	-5.0%	3.4%	-0.8%
Net premiums earned	\$1,111.0	\$1,096.6	\$2,206.1	\$2,238.0
Combined ratio	96.1%	96.2%	95.9%	95.7%
Combined ratio, ex-cat	90.7%	82.7%	91.4%	87.4%
Current accident year combined ratio, ex-cat ⁽²⁾	90.7%	83.1%	91.4%	87.7%

(\$ in millions)

Net Premiums Written and Growth



Current Accident Year Combined Ratio, Ex-Cat



Expense ratio ⁽⁷⁾ Current accident year loss and LAE ratio, ex-cat

Combined ratio of 96.2%, compared to 96.1% in the prior-year quarter

- Catastrophe losses of 13.5 points
- Net favorable ex-cat prior year reserve development of 0.4 points, driven by Workers' Compensation

Current accident year combined ratio, ex-cat, of 83.1%, decreased 7.6 points compared to prior-year quarter

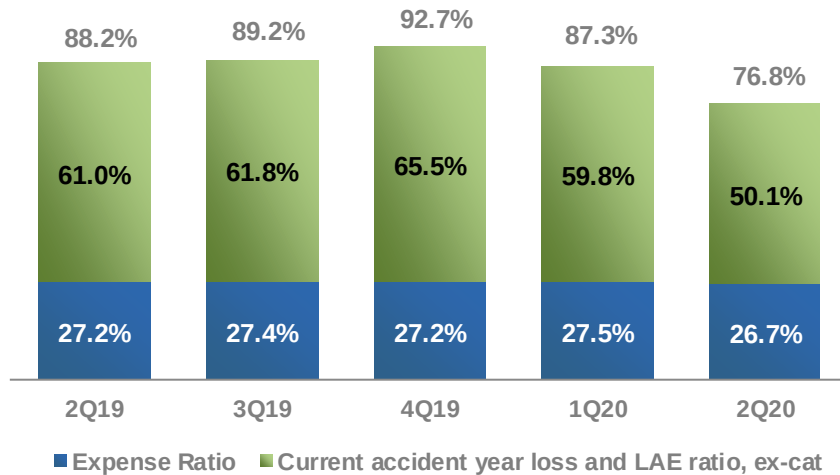
- Current accident year loss and LAE ratio, excluding catastrophes, of 51.8%, improved 7.4 points due to:
 - Favorable loss frequency in short-tail coverages, primarily Personal Auto
 - Remaining prudent in longer-tail liability lines due to future uncertainty
- Expense ratio of 31.3%, improved 0.2 points compared to prior-year quarter, helped by a non-recurring premium tax benefit, which was nearly offset by the impact of the Personal Auto premium returns

Net premiums written declined 5.0%, driven by the impact of the Personal Auto premium returns, lower new business across the portfolio and exposure reductions in Commercial Lines

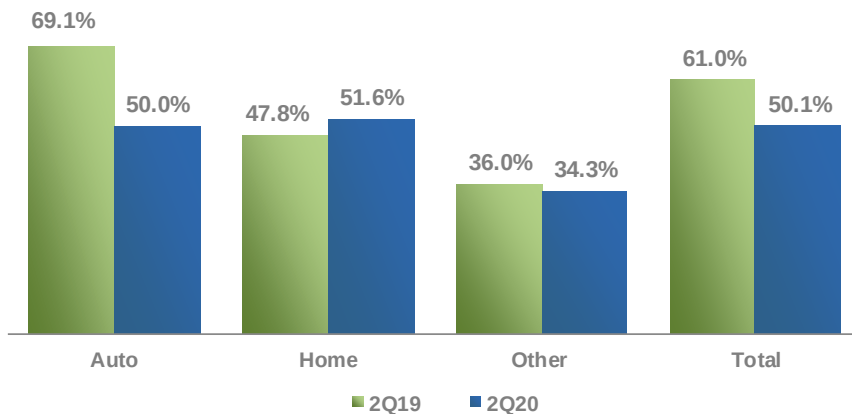


Personal Lines Underwriting Highlights

Current Accident Year Combined Ratio, Ex-Cat



Current Accident Year Loss and LAE Ratio, Ex-Cat



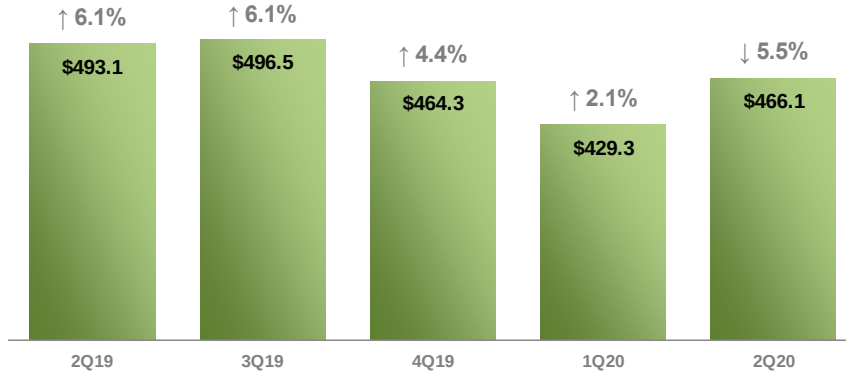
- Combined ratio of 95.7%, decreased 1.3 points compared to the prior-year quarter
- Catastrophe losses of 18.9%, compared to 8.1% in the prior-year quarter
- Current accident year combined ratio, ex-cat, of 76.8%, improved 11.4 points compared to the prior-year quarter
- Current accident year loss and LAE ratio, excluding catastrophes, of 50.1%, compared to 61.0% in the prior-year quarter, driven by the temporary decline in frequency from stay-at-home orders in Personal Auto
- Expense ratio of 26.7%, improved 0.5 points, due to a non-recurring premium tax benefit, which was partially offset by the impact of not reducing agent commissions on net earned premium returned to Personal Auto customers and associated reduced expense leverage



Personal Lines Growth Highlights

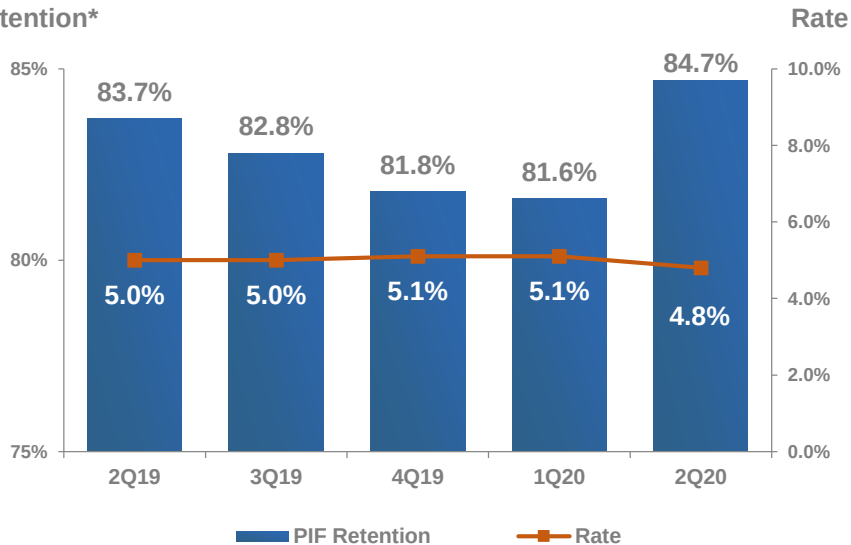
(\$ in millions)

Net Premiums Written and Growth



- Net premiums written declined 5.5% in the quarter. Underlying growth of 0.5%, excluding the impact of premium return⁽⁸⁾:
 - \$29.4 million premium return in Personal Auto in April and May
 - Lower new business activity driven by lower remarketing activity by agents
 - Partially offset by higher retention
- Rate of 4.8%
- Account business is 85% of total book

Retention*

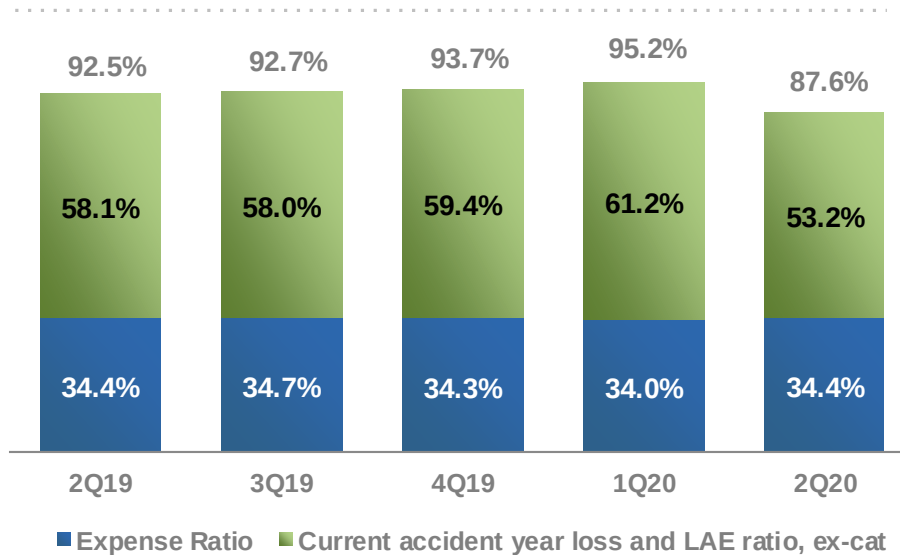


* Retention is defined as ratio of net retained policies for noted period to those policies available to renew over the same period.

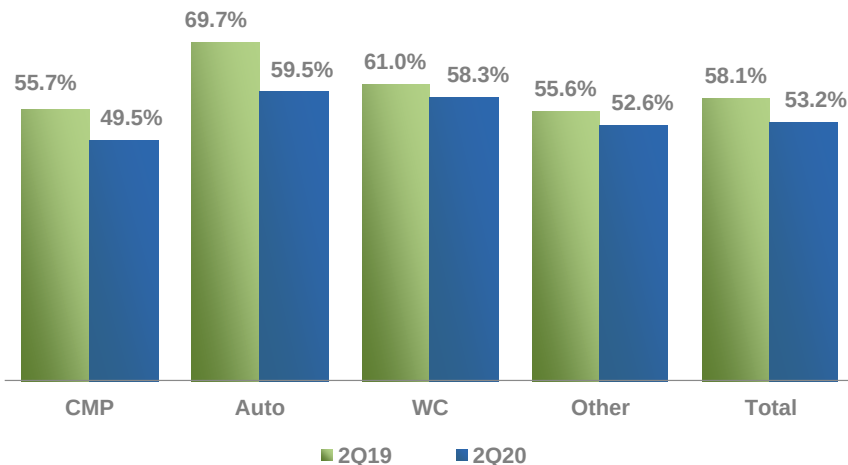


Commercial Lines Underwriting Highlights

Current Accident Year Combined Ratio, Ex-Cat



Current Accident Year Loss and LAE Ratio, Ex-Cat



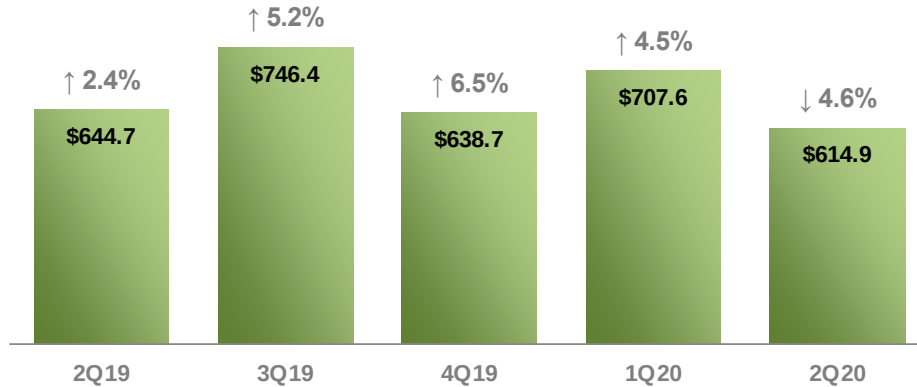
- Combined ratio of 96.6%, increased 1.2 points compared to the prior-year quarter
- Catastrophe losses of 9.8%, compared to 3.5% in the prior-year quarter
- Net favorable ex-cat prior year reserve development of \$5.1 million, or 0.8 points, driven primarily by continued favorability in Workers' Compensation and Property coverages in Other Commercial Lines ("OCL"), partially offset by Commercial Auto and Commercial Multiple Peril ("CMP")
- Current accident year combined ratio, ex-cat, of 87.6%, decreased 4.9 points compared to the prior-year quarter
- Current accident year loss and LAE ratio, excluding catastrophes, of 53.2%, improved 4.9 points from the prior-year quarter, driven by favorable loss frequency primarily in short-tail coverages, while remaining prudent in longer-tail lines
 - Added \$6 million of reserves in Workers' Compensation for potential increased exposure due to presumption legislation



Commercial Lines Growth Highlights

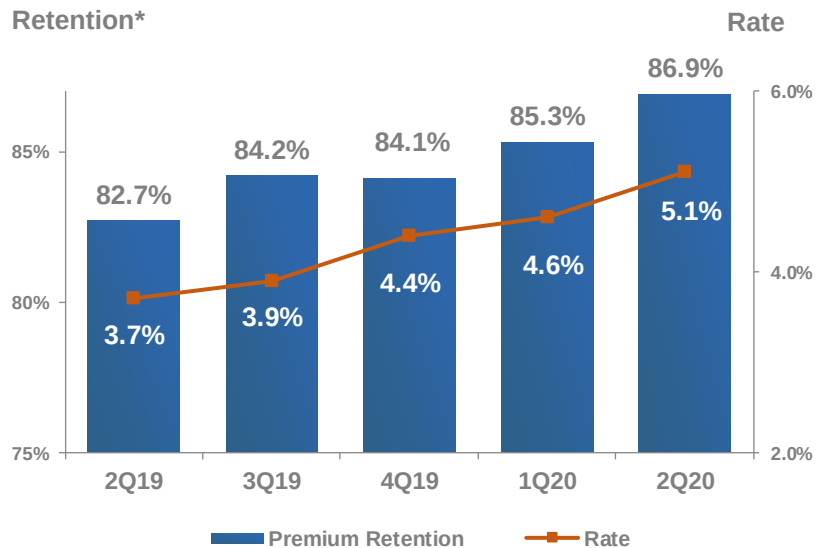
(\$ in millions)

Net Premiums Written and Growth



- Net premiums written declined 4.6% in the quarter, driven by:
 - Lower new business
 - Exposure related adjustments, primarily in Workers' Compensation
 - Partially offset by improved retention of 86.9%
- Increased Core Commercial rate of 5.1%

Core Commercial Lines ⁽⁵⁾



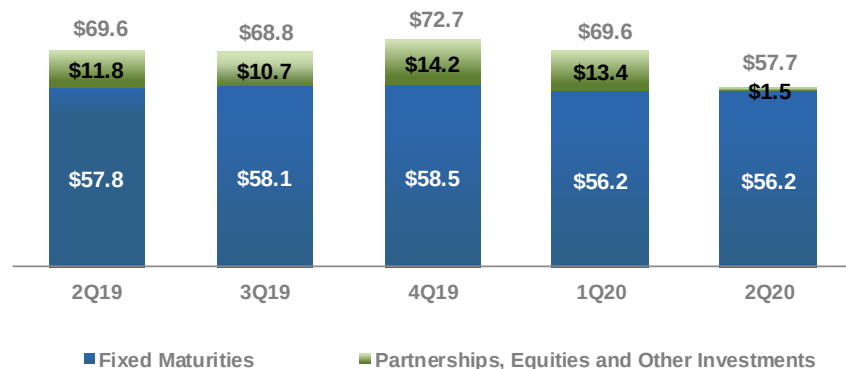
* Retention is defined as ratio of net retained policies for noted period to those policies available to renew over the same period



Net Investment Income Trends

(\$ in millions)

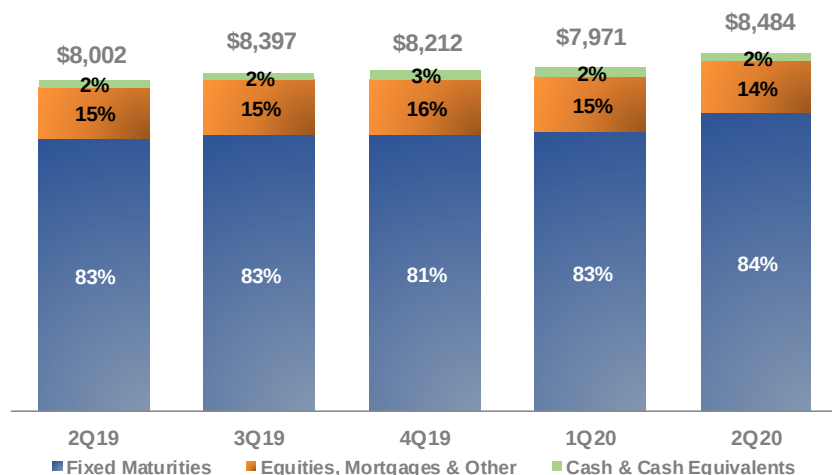
Net Investment Income*



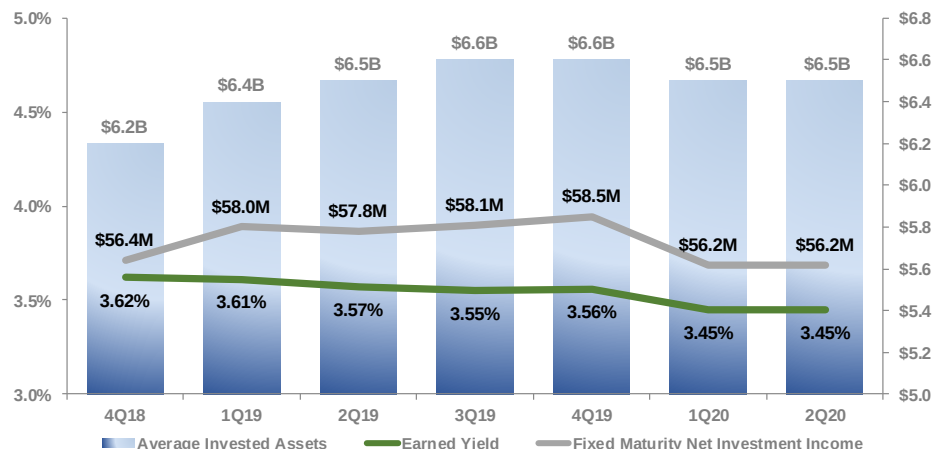
- Net investment income of \$57.7 million in the second quarter, down from \$69.6 million in the prior-year quarter due to:
 - Decline in the fair value of limited partnerships, which is reported on a quarter lag
 - Lower fixed income due to continued low interest rate environment

(\$ in millions)

Cash and Invested Assets



Fixed Maturity Investment Portfolio Trends



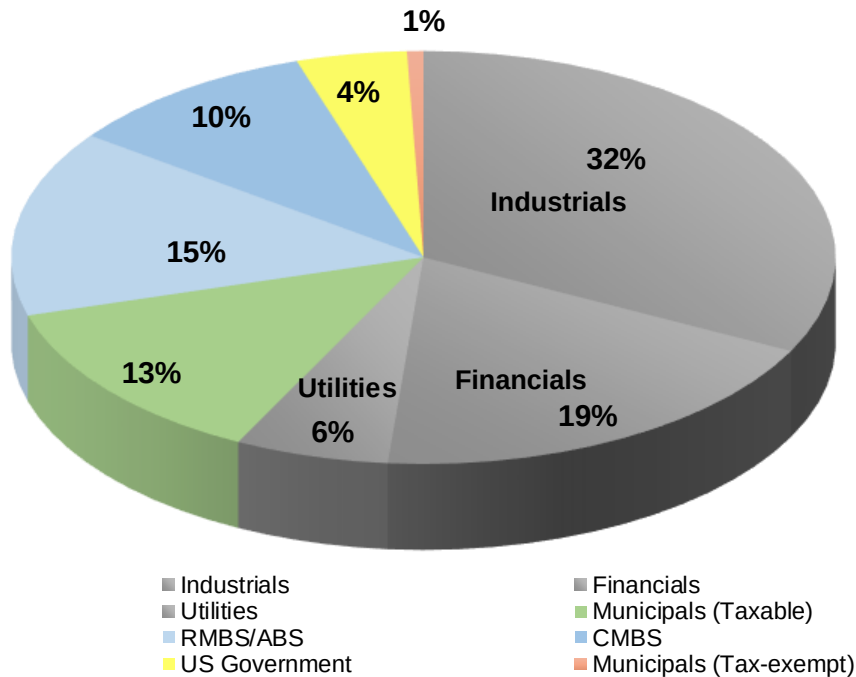
* Net Investment Income from Partnerships, Equities and Other investments is presented net of investment expenses



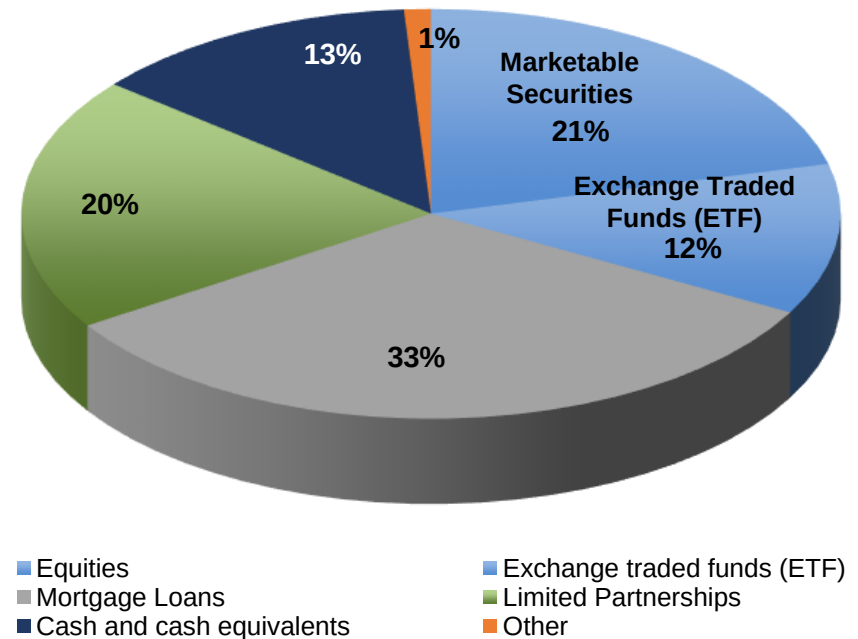
Investment Portfolio Holdings – Total Invested Assets and Cash of \$8.5B

As of June 30, 2020

Fixed Maturities: \$7.1 Billion



Equities, Cash and Other: \$1.4 Billion



Fixed Income Characteristics:

- 96% of fixed maturity securities are investment grade
- Weighted average quality: A+
- Duration: 4.4 years



2020 Outlook based on information available through July 28th*

Updated full year 2020 outlook reflects more clarity around the impact of the current economic environment, but it is still more uncertain than usual

- Ex-cat, combined ratio outlook improves from 91-92% to 89.5-90.5%
- Investment income outlook consistent at \$255 million for 2020, with an expectation of some lingering pressure from partnerships in Q3 and Q4
- Expense ratio improvement of 10 basis points from full-year 2019
- 2020 net premiums written flat to 2019
- Third quarter catastrophe load of 4.8%

Current Guidance

Full Year 2020 Metric	Q4 2019 Earnings Call	Q1 2020 Earnings Call	Q2 2020 Earnings Call
Net premiums written	Mid-single-digits	Suspend	2020 net premiums written flat to 2019
Expense ratio	10 bps improvement from full-year 2019	Affirm	Affirm 31.5%
Combined ratio, ex-cat	91-92%	Affirm	2020: 89.5-90.5% 2H2020: ~91.5%
Catastrophes	4.6%	Affirm	Q3 cat load of 4.8%
Effective Tax Rate	21%	Affirm	Affirm 21%
Net Investment Income	Lower than 2019 by \$8 million	In the range of ~\$255 million	Affirm \$255 million

*This presentation and the content thereof must be read and interpreted in conjunction with information regarding risk factors and forward-looking information as set forth in this presentation and in the company's most recently filed reports on Form 10-K and Form 10-Q and other documents filed by The Hanover Insurance Group, Inc. with the Securities and Exchange Commission ("SEC") and that are also available at www.hanover.com under "Investors."



About The Hanover

The Hanover Insurance Group, Inc. is the holding company for several property and casualty insurance companies, which together constitute one of the largest insurance businesses in the United States. The company provides exceptional insurance solutions through a select group of independent agents and brokers. Together with its agent partners, The Hanover offers standard and specialized insurance protection for small and mid-sized businesses, as well as for homes, automobiles, and other personal items. For more information, please visit hanover.com.



Forward-Looking Statements and Additional Risks and Uncertainties

Forward-Looking Statements

Certain statements in this document and comments made by management may be “forward-looking statements” as defined in the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical facts, may be forward-looking statements. Words such as, but not limited to, “believes,” “anticipates,” “expects,” “may,” “projects,” “projections,” “plan,” “likely,” “potential,” “targeted,” “forecasts,” “should,” “could,” “continue,” “outlook,” “guidance,” “modeling,” “moving forward”, and other similar expressions are intended to identify forward-looking statements. Forward-looking statements by their nature address matters that are, to different degrees, uncertain. The company cautions investors that any such forward-looking statements are estimates, beliefs, expectations and/or projections that involve significant judgement, and that historical results, trends and forward-looking statements are not guarantees and are not necessarily indicative of future performance. Actual results could differ materially from those anticipated.

These statements include, but are not limited to, the company’s statements regarding:

- The company’s outlook and its ability to achieve components or the sum of the respective period guidance on its future results of operations including: the combined ratio, excluding or including both prior-year reserve development and/or catastrophe losses; catastrophe losses; net investment income; growth of net premiums written and/or net premiums earned in total or by line of business; expense ratio; operating return on equity; and/or the effective tax rate;
- The impact of the COVID-19 outbreak and subsequent global pandemic (“Pandemic”) and related economic conditions on the company’s operating and financial results, including, but not limited to, the impact on the company’s investment portfolio, declining claims frequency as a result of reduced economic activity, severity from higher cost of repairs due to, among other things, supply chain disruptions, declines in premium as a result of, among other things, credits or returns to the company’s customers, lower submissions, changes in renewals and policy endorsements, and the impact of re-opening plans in the states and jurisdictions in which the company operates;
- Uses of capital for share repurchases, special or ordinary cash dividends, business investments or growth, or otherwise, and outstanding shares in future periods as a result of various share repurchase mechanisms, capital management framework, especially in the current environment, and overall comfort with capital levels;
- Variability of catastrophe losses due to risk concentrations, changes in weather patterns including global warming, terrorism, civil unrest, riots or other events, as well as the complexity in estimating losses from large catastrophe events due to delayed reporting of the existence, nature or extent of losses or where “demand surge,” regulatory assessments, litigation, coverage and technical complexities or other factors may significantly impact the ultimate amount of such losses;
- Current accident year losses and loss selections (“picks”), excluding catastrophes, and prior accident year loss reserve development patterns, particularly in complex “longer tail” liability lines, as well as the inherent variability in short-tail property and non-catastrophe weather losses;
- The confidence or concern that the current level of reserves is adequate and/or sufficient for future claim payments, whether due to losses that have been incurred but not reported, circumstances that delay the reporting of losses, business complexity, adverse judgments or developments with respect to case reserves, the difficulties and uncertainties inherent in projecting future losses from historical data, changes in replacement and medical costs, as well as complexities related to the Pandemic, including legislative, regulatory or judicial actions that expand the intended scope of coverages, or other factors;
- Characterization of some business as being “more profitable” in light of inherent uncertainty of ultimate losses incurred, especially for “longer tail” liability businesses;
- Efforts to manage expenses, including the company’s long-term expense savings targets, while allocating capital to business investment, which is at management’s discretion;
- Mix improvement, underwriting initiatives, coverage restrictions and pricing segmentation actions, among others, to grow businesses believed to be more profitable or reduce premiums attributable to products or lines of business believed to be less profitable; balance rate actions and retention; offset long-term and/or short-term loss trends due to increased frequency; increased “social inflation” from a more litigious environment and higher average cost of resolution, increased property replacement costs, and/or social movements;
- The ability to generate growth in targeted segments through new agency appointments; rate increases (as a result of its market position, agency relationships or otherwise), retention improvements or new business; expansion into new geographies; new product introductions; or otherwise; and
- Investment returns and the effect of macro-economic interest rate trends and overall security yields, including the macro-economic impact of the Pandemic and corresponding governmental initiatives taken in response, and geopolitical circumstances on new money yields and overall investment returns.



Additional Risks and Uncertainties (continued)

Additional Risks and Uncertainties

Investors are further cautioned and should consider the risks and uncertainties in the company's business that may affect such estimates and future performance that are discussed in the company's most recently filed reports on Form 10-K and Form 10-Q and other documents filed by The Hanover Insurance Group, Inc. with the Securities and Exchange Commission ("SEC") and that are also available at www.hanover.com under "Investors." These risks and uncertainties include, but are not limited to:

- The severity, duration and long-term impact related to the Pandemic, including, but not limited to, decline in economic conditions, possible government responses, legislative, regulatory and judicial actions, adverse impacts to the investment portfolio valuation and yield, changes in frequency and severity of claims in both Commercial and Personal Lines, customers' abilities to pay premiums or renew existing insurance policies, impacts to distributors (including agent partners), and the possibility of additional premium adjustments, including credits and returns, for the benefit of insureds;
- The potential for operations to be disrupted or negatively impacted due to (i) the risk of the company's workforce, including third-party contractors, being unable to work due to illness, quarantine, limitations on travel or other government restrictions in connection with COVID-19 and the Pandemic; (ii) the company's reliance on the functioning of business continuity plans and technological applications while the majority of employees work remotely for an extended period of time; and (iii) the ongoing threat of cyber attacks and vulnerabilities;
- Changes in regulatory, legislative, economic, market and political conditions, particularly in response to COVID-19 and the Pandemic (such as legislative or regulatory actions that would retroactively require insurers to cover business interruption or other types of claims irrespective of terms, exclusions or other conditions included in the contractual terms of the policies that would otherwise preclude coverage, mandatory returns and other rate-related actions, as well as presumption legislation in regards to workers' compensation);
- Heightened investment market volatility, fluctuations in interest rates (which have a significant impact on the market value of the investment portfolio and thus book value), U.S. Federal Reserve actions, inflationary pressures, default rates, prolonged global market conditions and other factors that affect investment returns from the investment portfolio;
- Adverse claims experience, including those driven by large or increased frequency of catastrophe events (including those related to terrorism, civil unrest and riots), and severe weather;
- The uncertainty in estimating weather-related losses or the long-term impacts of the Pandemic, and the limitations and assumptions used to model other property and casualty losses (particularly with respect to products with longer tail liability, such as casualty and bodily injury claims, or involving emerging issues related to losses incurred as the result of new lines of business, such as cyber or financial institutions coverage, or reinsurance contracts and reinsurance recoverables), leading to potential adverse development of loss and loss adjustment expense reserves;
- Litigation and the possibility of adverse judicial decisions, including those which expand policy coverage beyond its intended scope or award "bad faith" or other non-contractual damages, and the impact of "social inflation" affecting judicial awards and settlements;
- The ability to increase or maintain insurance rates in line with anticipated loss costs and/or governmental action, including mandates by state departments of insurance to either raise or lower rates or provide credits or return premium to insureds;
- Investment impairments, which may be affected by, among other things, the company's ability and willingness to hold investment assets until they recover in value, as well as credit and interest rate risk and general financial and economic conditions;
- Disruption of the independent agency channel, including the impact of competition and consolidation in the industry and among agents and brokers, and the degree to which agents and brokers remain operational during the Pandemic;
- Competition, particularly from competitors who have resource and capability advantages;
- The global macroeconomic environment, including actions taken in response to the Pandemic, inflation, global trade wars, energy market disruptions, equity price risk, and interest rate fluctuations, which, among other things, could result in reductions in market values of fixed maturity and other investments;
- Adverse state and federal regulation, legislative and/or regulatory actions (including recent significant revisions to Michigan's automobile personal injury protection system and related litigation, and various regulations, orders and proposed legislation related to business interruption and workers' compensation coverages, premium grace periods and returns, and rate actions);
- Financial ratings actions, in particular, downgrades to the company's ratings;
- Operational and technology risks and evolving technological and product innovation, including risks created by remote work environments, and the risk of cyber-security attacks or breaches on the company's systems or resulting in claim payments (including from products not intended to provide cyber coverage);
- Uncertainties in estimating indemnification liabilities recorded in conjunction with obligations undertaken in connection with the sale of various businesses and discontinued operations; and
- The ability to collect from reinsurers, reinsurance pricing, and the performance of the run-off voluntary property and casualty pools business (including those in the Other segment or in Discontinued operations).

Investors should not place undue reliance on forward-looking statements, which speak only as of the date they are made, and should understand the risks and uncertainties inherent in or particular to the company's business. The company does not undertake the responsibility to update or revise such forward-looking statements.



Non-GAAP Financial Measures

Non-GAAP Financial Measures

As discussed on page 38 of the company's Annual Report on Form 10-K for the year ended December 31, 2019, the company uses non-GAAP financial measures as important measures of its operating performance, including operating income, operating income before interest expense and taxes, operating income per share, and components of the combined ratio, both excluding and/or including, catastrophe losses, prior-year reserve development and the expense ratio. Management believes these non-GAAP financial measures are important indications of the company's operating performance. The definition of other non-GAAP financial measures and terms can be found in the 2019 Annual Report on pages 67-70.

Operating income and operating income per share are non-GAAP measures. They are defined as net income excluding the after-tax impact of net realized investment gains (losses), fair value changes of equity securities, gains and/or losses on the repayment of debt, other non-operating items, and results from discontinued operations. Net realized investment gains and losses, which include changes in the fair value of equity securities still held, are excluded for purposes of presenting operating income as they are, to a certain extent, determined by interest rates, financial markets and the timing of sales. Operating income also excludes net gains and losses from disposals of businesses, gains and losses related to the repayment of debt, costs to acquire businesses, restructuring costs, the cumulative effect of accounting changes and certain other items. Operating income is the sum of the segment income from: Commercial Lines, Personal Lines, and Other, after interest expense and taxes. In reference to one of the company's three segments, "operating income" is the segment income before both interest expense and taxes. The company also uses "operating income per share" (which is after both interest expense and taxes). It is calculated by dividing operating income by the weighted average number of diluted shares of common stock. The company believes that metrics of operating income and operating income in relation to its three segments provide investors with a valuable measure of the performance of the company's continuing businesses because they highlight the portion of net income attributable to the core operations of the business. Income from continuing operations is the most directly comparable GAAP measure for operating income (and operating income before taxes) and measures of operating income that exclude the effects of catastrophe losses and/or reserve development should not be misconstrued as substitutes for income from continuing operations or net income determined in accordance with GAAP. A reconciliation of operating income (loss) to income from continuing operations and net income for the relevant periods is included on slide 16 of this presentation and in the Financial Supplement.

The company may also provide measures of operating income and combined ratios that exclude the impact of catastrophe losses (which in all respects include prior accident year catastrophe loss development). A catastrophe is a severe loss, resulting from natural or manmade events, including, but is not limited to, hurricanes, tornadoes, windstorms, earthquakes, hail, severe winter weather, fire, explosions, civil unrest and terrorism. Due to the unique characteristics of each catastrophe loss, there is an inherent inability to reasonably estimate the timing or loss amount in advance. The company believes a separate discussion excluding the effects of catastrophe losses is meaningful to understand the underlying trends and variability of earnings, loss and combined ratio results, among others.

Prior accident year reserve development, which can either be favorable or unfavorable, represents changes in the company's estimate of costs related to claims from prior years. Calendar year loss and loss adjustment expense ("LAE") ratios determined in accordance with GAAP, excluding prior accident year reserve development, are sometimes referred to as "accident year loss ratios." The company believes a discussion of loss and combined ratios, excluding prior accident year reserve development, is helpful since it provides insight into both estimates of current accident year results and the accuracy of prior-year estimates.

The loss and combined ratios in accordance with GAAP are the most directly comparable GAAP measures for the loss and combined ratios calculated excluding the effects of catastrophe losses and/or reserve development. The presentation of loss and combined ratios calculated excluding the effects of catastrophe losses and/or reserve development should not be construed as substitutes for the loss and/or combined ratios determined in accordance with GAAP.

Operating return on equity ("ROE") is a non-GAAP measure. See end note (9) for a detailed explanation of how this measure is calculated. Operating ROE is based on non-GAAP operating income. In addition, the portion of shareholder equity attributed to unrealized appreciation (depreciation) on fixed maturity investments, net of tax, is excluded. The company believes this measure is helpful in that it provides insight to the capital used by, and results of, the continuing business exclusive of interest, taxes, and other non-operating items. These measures should not be misconstrued as substitutes for GAAP ROE, which is based on net income and shareholders' equity of the entire company and without adjustments.



End notes

(1) Operating income (loss) and operating income per diluted share are non-GAAP measures. See the disclosure on the use of non-GAAP measures throughout this presentation under the heading “Non-GAAP Financial Measures.” The following table provides the reconciliation of operating income (loss) and operating income per diluted share to the most directly comparable GAAP measures, income from continuing operations and income from continuing operations per diluted share, respectively, which are then reconciled to net income and net income per diluted share, respectively:

	Three months ended				Six months ended			
	June 30, 2019		June 30, 2020		June 30, 2019		June 30, 2020	
	\$ Amount	Per Share Diluted	\$ Amount	Per Share Diluted	\$ Amount	Per Share Diluted	\$ Amount	Per Share Diluted
(In millions, except per share data)								
OPERATING INCOME (LOSS)								
Commercial Lines	\$72.8		\$55.3		\$153.0		\$109.9	
Personal Lines	31.7		32.6		58.5		97.5	
Other	2.5		1.0		5.3		(1.4)	
Total	107.0		88.9		216.8		206.0	
Interest expense	(9.3)		(9.4)		(18.7)		(18.8)	
Operating income before income taxes	97.7	\$2.37	79.5	\$2.07	198.1	\$4.81	187.2	\$4.85
Income tax expense on operating income	(20.0)	(0.49)	(16.8)	(0.44)	(39.7)	(0.97)	(37.7)	(0.98)
Operating income after income taxes	77.7	1.88	62.7	1.63	158.4	3.84	149.5	3.87
Non-operating items:								
Net realized gains from sales and other	0.8	0.02	0.8	0.02	0.4	0.01	3.9	0.10
Net change in fair value of equity securities	11.7	0.29	61.5	1.61	60.3	1.46	(74.7)	(1.94)
Impairment recoveries (losses) on investments	(0.4)	(0.01)	1.4	0.04	(0.4)	(0.01)	(27.1)	(0.70)
Effect of new tax regulations on Chaucer gain on sale	(5.6)	(0.14)	-	-	(5.6)	(0.13)	-	-
Other non-operating items	-	-	(0.1)	-	-	-	(0.1)	-
Income tax benefit (expense) on non-operating items	0.8	0.02	(11.0)	(0.29)	(5.5)	(0.13)	25.1	0.65
Income from continuing operations, net of taxes	85.0	2.06	115.3	3.01	207.6	5.04	76.6	1.98
Discontinued Operations (net of taxes):								
Sale of Chaucer business	(9.9)	(0.24)	-	-	(9.0)	(0.22)	-	-
Loss from Chaucer business	(0.2)	(0.01)	-	-	(0.5)	(0.01)	-	-
Loss from discontinued life businesses	(0.9)	(0.02)	(0.1)	-	(1.7)	(0.04)	(1.4)	(0.03)
Net income	\$74.0	\$1.79	\$115.2	\$3.01	\$196.4	\$4.77	\$75.2	\$1.95
Dilutive weighted average shares outstanding		41.2		38.3		41.2		38.6



End notes continued

(2) Combined ratio, excluding catastrophes, and current accident year combined ratio, excluding catastrophes, are non-GAAP measures. The combined ratio, excluding catastrophes is equal to the combined ratio, excluding catastrophe losses. The current accident year combined ratio, excluding catastrophes, is equal to the combined ratio, excluding catastrophe losses and prior-year reserve development. These measures are used throughout this document. The combined ratio (which includes catastrophe losses and prior-year reserve development) is the most directly comparable GAAP measure. The following is a reconciliation of the GAAP combined ratio to the combined ratio, excluding catastrophe losses, and the current accident year combined ratio, excluding catastrophe losses:

Three months ended June 30, 2020			
	Commercial Lines	Personal Lines	Total
Total combined ratio	96.6 %	95.7 %	96.2 %
Less: Catastrophe loss ratio	9.8 %	18.9 %	13.5 %
Combined ratio, excluding catastrophe losses	86.8 %	76.8 %	82.7 %
Less: Prior-year reserve development ratio	(0.8)%	-	(0.4)%
Current accident year combined ratio, excluding catastrophe losses	87.6 %	76.8 %	83.1 %
June 30, 2019			
Total combined ratio	95.4 %	97.0 %	96.1 %
Less: Catastrophe loss ratio	3.5 %	8.1 %	5.4 %
Combined ratio, excluding catastrophe losses	91.9 %	88.9 %	90.7 %
Less: Prior-year reserve development ratio	(0.6)%	0.7 %	-
Current accident year combined ratio, excluding catastrophe losses	92.5 %	88.2 %	90.7 %
Six months ended June 30, 2020			
	Commercial Lines	Personal Lines	Total
Total combined ratio	97.4 %	92.8 %	95.7 %
Less: Catastrophe loss ratio	6.6 %	10.7 %	8.3 %
Combined ratio, excluding catastrophe losses	90.8 %	82.1 %	87.4 %
Less: Prior-year reserve development ratio	(0.7)%	(0.2)%	(0.3)%
Current accident year combined ratio, excluding catastrophe losses	91.5 %	82.3 %	87.7 %
June 30, 2019			
Total combined ratio	94.8 %	97.6 %	95.9 %
Less: Catastrophe loss ratio	2.5 %	7.3 %	4.5 %
Combined ratio, excluding catastrophe losses	92.3 %	90.3 %	91.4 %
Less: Prior-year reserve development ratio	(0.9)%	1.2 %	-
Current accident year combined ratio, excluding catastrophe losses	93.2 %	89.1 %	91.4 %



End notes continued

(3) Current accident year loss and LAE ratio, excluding catastrophe losses, is a non-GAAP measure, which is equal to the loss and LAE ratio ("loss ratio"), excluding prior-year reserve development and catastrophe losses. The loss ratio (which includes losses, LAE, catastrophe losses and prior-year loss reserve development) is the most directly comparable GAAP measure. The following is a reconciliation of the GAAP loss ratio to the current accident year loss and LAE ratio, excluding catastrophe losses:

Three months ended										
June 30, 2020										
	Commercial Multiple Peril	Commercial Auto	Workers' Comp	Commercial Other	Commercial Lines	Personal Auto	Home	Other Personal	Personal Lines	Total
Total loss and LAE Ratio	73.8 %	65.3 %	46.7 %	55.9 %	62.2 %	51.9 %	100.2 %	31.3 %	69.0 %	64.9 %
Less:										
Prior-year reserve development ratio	1.2 %	5.1 %	(11.6)%	(1.2)%	(0.8)%	-	0.6 %	(8.2)%	-	(0.4)%
Catastrophe ratio	23.1 %	0.7 %	-	4.5 %	9.8 %	1.9 %	48.0 %	5.2 %	18.9 %	13.5 %
Current accident year loss ratio, excluding catastrophe losses	49.5 %	59.5 %	58.3 %	52.6 %	53.2 %	50.0 %	51.6 %	34.3 %	50.1 %	51.8 %
June 30, 2019										
Total loss and LAE Ratio	62.5 %	72.8 %	53.4 %	58.3 %	61.0 %	70.8 %	70.6 %	34.2 %	69.8 %	64.6 %
Less:										
Prior-year reserve development ratio	(0.5)%	2.0 %	(7.6)%	0.5 %	(0.6)%	1.0 %	0.6 %	(5.3)%	0.7 %	-
Catastrophe ratio	7.3 %	1.1 %	-	2.2 %	3.5 %	0.7 %	22.2 %	3.5 %	8.1 %	5.4 %
Current accident year loss ratio, excluding catastrophe losses	55.7 %	69.7 %	61.0 %	55.6 %	58.1 %	69.1 %	47.8 %	36.0 %	61.0 %	59.2 %

Six months ended										
June 30, 2020										
	Commercial Multiple Peril	Commercial Auto	Workers' Comp	Commercial Other	Commercial Lines	Personal Auto	Home	Other Personal	Personal Lines	Total
Total loss and LAE Ratio	73.9 %	68.7 %	50.9 %	56.3 %	63.2 %	60.7 %	77.3 %	29.5 %	65.7 %	64.4 %
Less:										
Prior-year reserve development ratio	1.5 %	5.2 %	(10.1)%	(1.5)%	(0.7)%	0.5 %	(0.6)%	(9.8)%	(0.2)%	(0.3)%
Catastrophe ratio	14.7 %	0.5 %	-	3.8 %	6.6 %	1.2 %	27.9 %	3.4 %	10.7 %	8.3 %
Current accident year loss ratio, excluding catastrophe losses	57.7 %	63.0 %	61.0 %	54.0 %	57.3 %	59.0 %	50.0 %	35.9 %	55.2 %	56.4 %
June 30, 2019										
Total loss and LAE Ratio	60.5 %	72.7 %	53.7 %	57.9 %	60.1 %	71.9 %	68.9 %	44.1 %	70.2 %	64.2 %
Less:										
Prior-year reserve development ratio	(1.1)%	2.4 %	(6.7)%	-	(0.9)%	1.6 %	0.3 %	2.7 %	1.2 %	-
Catastrophe ratio	5.8 %	0.6 %	-	1.3 %	2.5 %	0.5 %	20.3 %	2.7 %	7.3 %	4.5 %
Current accident year loss ratio, excluding catastrophe losses	55.8 %	69.7 %	60.4 %	56.6 %	58.5 %	69.8 %	48.3 %	38.7 %	61.7 %	59.7 %



End notes continued

(4) Core Commercial business provides commercial property and casualty coverages to small and mid-sized businesses in the U.S., generally with annual premiums per policy up to \$250,000, primarily through the Commercial Multiple Peril, Commercial Auto and Workers' Compensation lines of business, as reported on the current quarter Financial Supplement. Price increases in Commercial Lines and Core Commercial Lines represent the average change in premium on renewed policies caused by the estimated net effect of base rate changes, discretionary pricing, inflation or changes in policy level exposure or insured risks. Rate increases in Commercial Lines and Core Commercial Lines represent the average change in premium on renewed policies caused by the base rate changes, discretionary pricing, and inflation, excluding the impact of changes in policy level exposure or insured risks:

(\$ in millions)	Three months ended			Six months ended		
	June 30, 2020			June 30, 2020		
	Core Commercial	Other Commercial	Total Commercial	Core Commercial	Other Commercial	Total Commercial
Net premiums written	\$347.2	\$267.7	\$614.9	\$768.9	\$553.6	\$1,322.5
Net premiums earned	\$381.7	\$276.9	\$658.6	\$777.1	\$557.4	\$1,334.5
	March 31, 2020					
	Core Commercial	Other Commercial	Total Commercial			
Net premiums written	\$421.7	\$285.9	\$707.6			
Net premiums earned	\$395.4	\$280.5	\$675.9			
	December 30, 2019					
	Core Commercial	Other Commercial	Total Commercial			
Net premiums written	\$369.8	\$268.9	\$638.7			
Net premiums earned	\$396.6	\$282.9	\$679.5			
	September 30, 2019					
	Core Commercial	Other Commercial	Total Commercial			
Net premiums written	\$440.3	\$306.1	\$746.4			
Net premiums earned	\$385.4	\$278.1	\$663.5			
	June 30, 2019			June 30, 2019		
	Core Commercial	Other Commercial	Total Commercial	Core Commercial	Other Commercial	Total Commercial
Net premiums written	\$367.5	\$277.2	\$644.7	\$770.0	\$552.1	\$1,322.1
Net premiums earned	\$385.6	\$273.2	\$658.8	\$768.0	\$543.2	\$1,311.2

(5) Price increases in Personal Lines is the estimated cumulative premium effect of approved rate actions applied to policies available for renewal, regardless of whether or not policies are actually renewed. Accordingly, pricing changes do not represent actual increases or decreases realized by the company.



End notes continued

(6) Operating Return on Average Equity and Adjusted Operating Return on Average Equity (“Operating ROE” and “Adjusted Operating ROE”) are non-GAAP measures. Operating ROE is calculated by dividing annualized operating income after tax for the applicable period (see under the heading in this presentation “Non-GAAP Financial Measures” and end note (1)), by average shareholders’ equity, excluding unrealized appreciation (depreciation) on fixed maturity investments, net of tax, for the stated period (end note (9)). For Adjusted Operating ROE, shareholders’ equity is adjusted for the then un-deployed equity attributable to Chaucer and for net unrealized appreciation (depreciation) on fixed maturity investments, net of tax (end note (9)). Please see end note (9) for a detailed reconciliation of adjusted shareholders’ equity with and without net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, and including the payment of the \$250 million accelerated share repurchase (“ASR”) agreement for six months ended 2019 calculation. Additionally, for the calculation of Adjusted Operating ROE, Operating Income, net of tax, is adjusted for the net investment income related to un-deployed equity attributable to Chaucer, net of tax. Operating ROE and Adjusted Operating ROE should not be misconstrued as substitutes for GAAP ROE. See calculations in table below, including the calculation of Net Income ROE using net income, annualized, and average shareholders’ equity without adjustments:

	Three months ended		Six months ended	
	June 30 2019	June 30 2020	June 30 2019	June 30 2020
<i>Net Income ROE (non-GAAP)</i>				
Net income (GAAP)	\$74.0	\$115.2	\$196.4	\$75.2
Annualized net income (non-GAAP)	296.0	460.8	392.8	150.4
Average shareholders’ equity (GAAP) (end note 9))	2,934.1	2,904.2	2,940.9	2,908.2
Return on equity (non-GAAP)	10.1 %	15.9 %	13.4%	5.2%
<i>Operating Income ROE (non-GAAP)</i>				
Operating income after taxes	\$77.7	\$62.7	\$158.4	\$149.5
Annualized operating income after taxes* (end note (1))	310.8	250.8	316.8	299.0
Average shareholders’ equity, excluding net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, and including the ASR payment (end note (9))	2,792.6	2,645.5	2,772.3	2,663.7
Operating return on equity	11.1 %	9.5 %	11.4%	11.2%
<i>Adjusted Operating Income ROE (non-GAAP)</i>				
Annualized operating income after taxes* (end note (1))	\$310.8		\$316.8	
Less: Annualized net investment income related to un-deployed equity attributable to Chaucer, net of tax**	(11.8)		(11.8)	
Annualized operating income, excluding the net investment income related to the un-deployed equity attributable to Chaucer, net of tax	\$299.0		\$305.0	
Average adjusted shareholders’ equity, excluding both net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, and pre-sale, equity attributable to Chaucer; or post-close, un-deployed equity (end note (9))	2,461.0		2,415.7	
Adjusted operating return on equity	12.2 %		12.6%	

*For three months ended June 30, 2019 and 2020, respectively, annualized net income and operating income is calculated by multiplying three months ended net income and operating income, respectively, by four. For six months ended June 30, 2019 and 2020, respectively, annualized net income and operating income is calculated by multiplying six months ended net income and operating income, respectively, by two.

**Annualized net investment income related to the un-deployed equity attributable to Chaucer, net of tax, for three months ended and six months ended June 30, 2019 is calculated by multiplying the Q2 2019 un-deployed equity attributable to Chaucer (end note (9)) by the three months and six months ended June 30, 2019 total pre-tax yield, net of tax



End notes continued

(7) Throughout this presentation, for purposes of the expense ratio calculation, expenses are reduced by installment and other fee revenues.

(8) Personal Lines net premiums written, excluding the impact of the Personal Auto premium returned in April and May, is a non-GAAP measure. Total Personal Lines net premiums written is the closest GAAP measure and is reconciled in the table below:

	Three months ended June 30,		Growth
	2020	2019	
Personal Lines Net Premiums Written	\$466.1	\$493.1	(5.5)%
Plus: Personal Auto Premium Return	\$29.4	-	-
Personal Lines Net Premiums Written, excluding Personal Auto Premium Return	<u>\$495.5</u>	<u>\$493.1</u>	<u>0.5%</u>



End notes continued

(9) Total shareholders' equity, excluding net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, is a non-GAAP measure. Total shareholders' equity is the most directly comparable GAAP measure, and is reconciled in the table below. For the calculation of Operating ROE, the average of total shareholders' equity, excluding net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, for the beginning, ending, and interim (if applicable) quarters are used. For the calculation of Adjusted Operating ROE, the average shareholders' equity, excluding both net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, and the then un-deployed equity attributable to Chaucer, for the beginning, ending, and interim (if applicable) quarters are used. For the calculation of Operating ROE and Adjusted Operating ROE, the balance at December 31, 2018 was adjusted by the \$250 million paid for the ASR on January 2, 2019 to eliminate the dilutive impact the ASR would have had on unadjusted and adjusted Operating ROE.

(\$ in millions)	December 31, 2018	March 31, 2019	June 30, 2019	December 31, 2019	March 31, 2020	June 30, 2020
Total shareholders' equity (GAAP)	\$2,954.7	\$2,927.0	\$2,941.1	\$2,916.2	\$2,736.6	\$3,071.7
Less: net unrealized appreciation (depreciation) on fixed maturity investments, net of tax	(27.2)	90.7	192.3	216.0	132.8	384.5
Total shareholders' equity, excluding net unrealized appreciation (depreciation) on fixed maturity investments, net of tax	2,981.9	2,836.3	2,748.8	2,700.2	2,603.8	2,687.2
Less: Payment made on January 2, 2019 for the ASR agreement entered into on December 30, 2018	250.0	-	-	-	-	-
Total shareholders' equity, excluding net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, and including the ASR payment	2,731.9	2,836.3	2,748.8	2,700.2	2,603.8	2,687.2
Less: Un-deployed equity attributable to Chaucer;	406.6	406.6	256.6	N/A	N/A	N/A
Adjusted shareholders' equity, excluding both net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, and un-deployed equity attributable to Chaucer;	\$2,325.3	\$2,429.7	\$2,492.2	\$2,700.2	\$2,603.8	\$2,687.2
Quarter Averages						
Average shareholders' equity (GAAP)			\$2,934.1			\$2,904.2
Average shareholders' equity, excluding net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, and including the ASR payment			\$2,792.6			\$2,645.5
Average adjusted shareholders' equity, excluding both net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, and un-deployed equity attributable to Chaucer;			\$2,461.0			\$2,645.5
Year-to-date Averages						
Average shareholders' equity (GAAP)			\$2,940.9			\$2,908.2
Average shareholders' equity, excluding net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, and including the ASR payment			\$2,772.3			\$2,663.7
Average adjusted shareholders' equity, excluding both net unrealized appreciation (depreciation) on fixed maturity investments, net of tax, and un-deployed equity attributable to Chaucer;			\$2,415.7			\$2,663.7